California Paves Way for Genesis Solar Energy Project in Riverside County

Thursday, November 12, 2009 at 10:45:07 AM - by Jeanne Roberts

It's only the first step in a long and arduous process, but the Californian Energy Commission's has okayed the application for certification for the Genesis Solar Energy Project based on facility data.

The project, under the auspices of Tucson, Arizona-based, privately held Genesis Solar LLC, will consist of two independent solar electric generating facilities with a combined total output of 250 megawatts, sited on 1,800 acres of BLM- (Bureau of Land Management -) managed land.

Genesis Solar is a wholly owned subsidiary of Juno Beach, Florida-based NextEra Energy Resources LLC, itself a consortium of FPL Group, Inc. (including the FPL's capital investment arm) and Florida Power & Light, who jointly provide energy services and project management.

The Genesis Project, once it has met California Energy Commission approval, must also seek federal approval before the construction process can begin. The original AFC (application for certification) was submitted on Aug. 31.

The concentrating solar thermal project comprises two groups of parabolic mirrors which concentrate solar energy and use it to create steam to power generators. The project will use wet cooling techniques, but only from non-potable water wells located on the project site 25 miles from Blythe adjacent to Interstate 10, and the residual water from the cooling tower will be fed into lined, on-site evaporation ponds.

This is reportedly an undeveloped area of the Sonoran Desert, with the McCoy Mountains to the East, the Palen Mountain/McCoy Wilderness area to the north, and Ford Dry Lake to the south, on the other side of I-10. The proposed site sits within 40 miles of Joshua Tree National Park, and has been used for grazing and off-road vehicle sports but has since been closed.

Reports say the Genesis Project will use 536 million gallons of water per year, and with southern California utility Pacific Gas & Electric (PG&E) committed to buying the entire output it seems like a profitable venture from both a solar electricity production and revenue model. The water issue may, however, impact final approvals.
Solar thermal trough developers use wet cooling because dry- (or air-) cooling reduces electricity output by up to five percent, and with budgets structured to wring every penny out of capital outlays, five percent is significant loss. Dry-cooling technology is also more expensive, adding to up-front costs that are not always recaptured via electricity sales.

Energy Commission Facility Certification Process

The California Energy Commission is the lead agency (for licensing thermal power plants 50 megawatts and larger) under the California Environmental Quality Act (CEQA) and has a certified regulatory program under CEQA. Under its certified program, the Energy Commission is exempt from having to prepare an environmental impact report. Its certified program, however, does require environmental analysis of the project, including an analysis of alternatives and mitigation measures to minimize any significant adverse effect the project may have on the environment.

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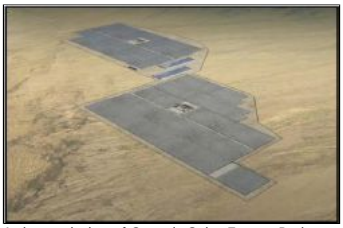
Genesis Solar Energy Project (CACA 48880)

Fast Facts

- The Genesis Solar Energy Project (GSEP), proposed by NextEra Energy Resources, would be located north of I-10, near Ford Dry Lake, 25 miles west of Blythe, in Riverside County.
- The proposed project is a parabolic trough solar thermal power generating facility designed to produce 250 megawatts of power.
- The project's total footprint is 4,640 acres, with project operations occurring on 1,800-acres of BLM-managed public land.
- The GSEP will consist of two independent concentrated solar electric generating facilities.
- The proposed project will deliver power via a generator that will tie-in to the Blythe Energy 500-kilovolt line; with interconnect to the Colorado River Substation.
- The project is expected to take 39 months to complete and will average 646 workers including laborers, craftsmen, supervisory support, and management personnel.
- The Genesis Solar Energy Project is expected to employ 40-50 full-time employees once the project is fully operational.

Genesis CACA-48880
Status of Federal Process
State of California Process
Executive Summary and Maps
Environmental Document
Policy, Guidance, and Documents
Fast Track Projects



Artist rendering of Genesis Solar Energy Project

For information about this project contact:

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Palm Springs South Coast Field Office
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Palm Springs, California 92262
Phone: (760) 833-7100
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California,Äôs Genesis Solar Energy Project Looking Up

Written on November 13, 2009 by Ivan Cooper in Solar Panels

It,Äôs just the first step in a long and difficult process; however the Californian Energy Commission has approved the certification application, based on facility data, for the Genesis **Solar Energy** Project.

The project will include of two independent photovoltaic electric generating facilities which will have a combined total output of 250 megawatts. Under the auspices of Tucson based private company, Genesis Solar LLC, the project will be situated on 1,800 acres Bureau of Land Management land.

Genesis Solar is a wholly owned subsidiary NextEra Energy Resources LLC of Juno Beach, Florida, which is itself a consortium of Florida Power & Light and FPL Group, Inc. These two companies already provide energy services and project management on a joint basis.

News Room

October 26, 2009

NextEra Energy Resources to supply solar power to PG&E

JUNO BEACH, Fla. – NextEra Energy Resources, LLC, already the country's leading generator of wind and sola announced today that it has entered into a contract to sell 250-megawatts of solar thermal power from the p Solar Energy Project to Pacific Gas and Electric Company (PG&E).

The proposed Genesis Solar Energy Project will be comprised of two 125-megawatt units. Once both units are the project is expected to produce approximately 560 gigawatt-hours of renewable electricity each year. This annual usage of more than 80,000 homes.

"This agreement is an important step forward in the development of solar power in California," said Mitch Dav and CEO of NextEra Energy Resources. "With increasing concerns about greenhouse gases, solar electricity c meaningful impact in reducing carbon dioxide emissions. In addition to clean energy, this project will create j positive economic impacts for Riverside County."

"Solar energy is a reliable and environmentally-friendly way to help meet California's peak energy demands," senior vice president for energy procurement at PG&E. "Through our agreement with NextEra Energy, we will increase the amount of clean, renewable energy we provide to our customers in the years to come."

This is NextEra Energy Resources first contract to sell solar power to PG&E, and it is subject to approval by th Utilities Commission. In August, NextEra Energy Resources filed an Application for Certification with the Calif Commission (CEC) to construct, own and operate this 250-megawatt solar plant in the Sonoran Desert. In ad Energy Resources has filed for a right-of-way grant with the Bureau of Land Management (BLM) for this proje

For the Genesis Project, NextEra Energy Resources plans to utilize proven and scalable parabolic trough solar technology that has been used commercially for more than two decades. NextEra Energy Resources has near experience operating similar technology at its SEGS solar facilities in the Mojave Desert.

The proposed Genesis Solar Energy Project will be located on an approximately 1,800-acre site between Dese Blythe, on land managed by the BLM in Riverside County, California. The more than 500,000 parabolic mirror assembled in rows to receive and concentrate the solar energy to produce steam for powering a steam turbir Genesis is one of about a dozen solar projects identified by BLM for fast track consideration to receive permit 2010.

Assuming timely regulatory approvals, NextEra Energy Resources plans to start construction on the project la operations expected to begin approximately 30 months later. Once complete, this project will reduce the emi approximately 500,000 tons per year, when compared to a high-efficiency natural gas plant. The U.S. Enviro Agency estimates this is the equivalent of removing about 83,000 passenger vehicles from the road each yea

The recently filed Application for Certification with the CEC is the latest example of NextEra Energy Resources leadership and commitment to renewable energy generation. This is the second Application for Certification t filed with the CEC. In March 2008, NextEra Energy Resources filed an Application for Certification with the CE megawatt Beacon Solar Project to be located in eastern Kern County. The company is waiting for a final dete CEC on its pending application.
In addition to being the largest operator of solar power in the United States with 310 megawatts, NextEra En through its subsidiaries, is also the largest owner and operator of wind power in the country with more than currently in operation. NextEra Energy subsidiaries also currently own and operate nearly 700 megawatts of

NextEra Energy Resources
NextEra Energy Resources is a clean energy leader and one of the largest competitive energy suppliers in North subsidiary of Juno Beach, Fla.-based FPL Group (NYSE: FPL), NextEra Energy Resources is the largest genera America of renewable energy from the wind and sun. It operates clean, emissions-free nuclear power generation Hampshire, Iowa and Wisconsin as part of the FPL Group nuclear fleet, which is the third largest in the U.S. FPL revenues of more than $16 billion, approximately 39,000 megawatts of generating capacity, and more than 15,0 states and Canada. For more information, visit these Web sites: **www.NextEraEnergyResources.com**, **www.F**

Cautionary Statements And Risk Factors That May Affect Future Results

This press release contains forward-looking statements within the meaning of the Private Securities Litigation
1995. Forward-looking statements typically express or involve discussion as to expectations, beliefs, plans, o
assumptions or future events or performance and often can be identified by the use of words such as "will," "
"anticipate," "estimate," and similar terms.

Although FPL Group, Inc. (FPL Group) believes that its expectations are reasonable, because forward-looking
subject to certain risks and uncertainties, it can give no assurance that the forward-looking statements conta
release will prove to be correct, including FPL Group's expectations with respect to the Genesis Solar Energy
Important factors could cause FPL Group's actual results to differ materially from those projected in the forwa
statements in this press release. Factors that could have a significant impact on FPL Group's operations and
and could cause FPL Group's actual results or outcomes, both generally and specifically with respect to the G
Energy Project, to differ materially from those discussed in the forward-looking statements include, among o

- Inability to complete construction of, or capital improvements to, the Genesis Solar Energy Project or other
generation facilities
- Inability to obtain the required regulatory approvals and permits for the construction and operation of the G
Energy Project, including obtaining CEC Certification and Bureau of Land Management permits
- Inability to obtain the supplies necessary for the construction, operation, and maintenance of the Genesis S
Project or other FPL Group power generation facilities
- Changes in laws, regulations, governmental policies and regulatory actions regarding the energy industry a
matters
- Inability of FPL Group to access capital markets or maintain its credit rating
- Inability to hire and retain skilled labor for the construction and operation of the Genesis Solar Energy Proje
changes or disruptions related to FPL Group's workforce
- Inability to sell the energy generated by the Genesis Solar Energy Project
- Transmission constraints or other factors limiting the Genesis Solar Energy Project's or FPL Group's ability t
- General economic conditions
- Hazards customary to the operation and maintenance of power generation facilities, including unanticipated
- Unusual or adverse weather conditions, including natural disasters
- Volatility in the price of energy
- Failure of FPL Group customers to perform under contracts
- Increased competition in the power industry
- Changes in the wholesale power markets
- Costs and other effects of legal and administrative proceedings
- Terrorism or other catastrophic events

These foregoing factors should be considered in connection with information regarding risks and uncertainties
FPL Group's future results included in FPL Group's filings with the Securities and Exchange Commission at **ww**

FPL Group undertakes no obligation to update or review any forward-looking statement to reflect events or ci
including unanticipated events, after the date on which such statement is made. New factors emerge from ti
is not possible for management to predict all of such factors, nor can it assess the impact of each such factor
or the extent to which any factor, or combination of facts, may cause actual results to differ materially from t
any forward-looking statement.